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Wallingford, Oxon OX10 8DE, UK
Telephone: Wallingford (0491) 32111
Telex: 847964 (COMAGG G) Fax: (0491) 33508
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Field Crop Abstracts

is a monthly journal prepared by the
CAB INTERNATIONAL BUREAU OF PASTURES
AND FIELD CROPS

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C·A·B INTERNATIONAL

CAB International (CABI) is an international, intergovernmental organization registered with the United Nations. It is owned and administered by its member governments; these currently number 29, but membership is open to all governments who wish to participate. Established in 1928, the organization provides information, scientific, and development services for agriculture and allied disciplines throughout the world.

Information Services

The main task of the Information Services, located at the CAB International Centre (CABIC) at Wallingford, is the creation of a bibliographic database of research on agriculture, forestry and allied disciplines, including social sciences and aspects of human medicine. Abstract journals derived from the database, and online access to it, provide a unique source of information for research scientists, development planners, educators and students. Subsidiary but growing tasks are the publication of primary journals and reference works, and training information professionals in developing countries.

The Accessions Unit acquires the relevant scientific and technical literature for abstracting by almost 100 scientists/linguists in the following 11 Bureaux:

Agricultural Economics
Animal Breeding & Genetics
Animal Health
Dairy Science & Technology
Nutrition
Pastures & Field Crops
Crop Protection
Horticulture & Plantation Crops
Plant Breeding & Genetics
Soils
Forestry

Further material is acquired and processed by collaborating or contracted organizations. Other staff coordinate work on specialized directories and databanks, and commission new books and primary journals. The Publications Unit is responsible for printing the journals and books, and the Marketing & Sales Division promotes and sells Information Services products and services worldwide.

Scientific Services

CABI's Scientific Services consist of four Institutes and two support services:

CAB International Institute of Entomology (CIE), Director Dr K.M. Harris, located at 56 Queen's Gate, London, and in the British Museum, Natural History.

CAB International Mycological Institute (CMI), Director Professor D.L. Hawksworth, located at Ferry Lane, Kew, London, adjacent to the Royal Botanic Gardens.

CAB International Institute of Parasitology (CIP), Director Dr R. Muller, located at Winches Farm, St. Albans, the field station of the London School of Hygiene & Tropical Medicine.

These three Institutes provide an authoritative identification service for agricultural pests and other organisms, conduct research, implement projects, and provide training in their fields of expertise.

CAB International Institute of Biological Control (CIBC), Director Dr D.J. Greathead, has its headquarters at Silwood Park, Ascot, the field station of Imperial College of Science and Technology, University of London. It has stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia. It provides biocontrol services, conducts training, and participates in integrated pest management programmes.

Development Services (CDS), Head Mr D. Heydon, integrate the broad range of CABI expertise to provide advice and assistance with agricultural problems, but particularly those related to pest management and information services.

Library Services, Manager Mr C.J. Hamilton, have their headquarters with CIBC at Silwood Park, where the main Library is held, with additional literature collections at CMI, CIP, CDS and CABIC. Library Services operate a Document Delivery Service.

Systems

The Systems Division provides computing resources and services to all parts of CABI. It maintains a central computing facility with telecommunications access to seven remote sites, including the four CABI Institutes. CABIC is served by a modern Local Area Network which provides access to the computers, and by advanced office automation facilities. The main computers are DEC VAX systems and the principal software systems are BASIS for data management and PAGER for typesetting and information retrieval.

The staff of 20 includes database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the CABI bibliographic database and associated functions, plus accessions control, subscription management and electronic publishing.

CAB INTERNATIONAL INFORMATION SERVICES
PRODUCTS AND SERVICES

Almost 100 scientists/linguists in the 11 Bureaux of CABI's Information Services at Wallingford, UK, with help from associated organizations and individuals worldwide, abstract and index the significant research and development literature in agriculture, forestry and allied disciplines. Over 10,000 serials and many other publications are scanned, and approximately 130,000 bibliographic records are compiled each year. From this computerized database is derived a wide range of information services and products in hard copy and machine-readable form, designed to meet a variety of customer needs.

HARD COPY PRODUCTS

Abstract journals

The following abstract journals on specific disciplines, specialist crops or products, or particular livestock are published, mostly monthly or quarterly. Each has author and subject indexes, cumulated annually in a special issue of the journal.

Animal Science and Production
Animal Breeding Abstracts; Dairy Science Abstracts; Nutrition Abstracts & Reviews, Series B-Livestock Feeds & Feeding; Pig News & Information; Poultry Abstracts.

Veterinary Science and Parasitic Diseases
Helminthological Abstracts; Index Veterinarius; Protozoological Abstracts; Review of Medical & Veterinary Entomology; Review of Medical & Veterinary Mycology; Veterinary Bulletin.

Crop Science and Production
Crop Physiology Abstracts; Faba Bean Abstracts; Field Crop Abstracts; Herbage Abstracts; Horticultural Abstracts; Irrigation & Drainage Abstracts; Maize Abstracts; Ornamental Horticulture; Plant Breeding Abstracts; Plant Growth Regulator Abstracts; Postharvest News and Information; Potato Abstracts; Rice Abstracts; Seed Abstracts; Soils & Fertilizers; Sorghum & Millets Abstracts; Soyabean Abstracts; Sugar Industry Abstracts; Wheat, Barley & Triticale Abstracts.

Forestry
Agroforestry Abstracts; Forest Products Abstracts; Forestry Abstracts.

Crop Protection
Biocontrol News & Information; Nematological Abstracts; Review of Agricultural Entomology; Review of Plant Pathology; Weed Abstracts.

Economics, Development and Sociology
Leisure, Recreation & Tourism Abstracts; Rural Development Abstracts; World Agricultural Economics & Rural Sociology Abstracts.

Machinery and Buildings
Agricultural Engineering Abstracts.

Human Nutrition
Nutrition Abstracts & Reviews, Series A-Human & Experimental.

Biotechnology/Biodeterioration
AgBiotech News & Information; Biodeterioration Abstracts.

Also published is a series of current awareness publications (CAB Prompts) on specific crops. Subject indexes are not provided. Titles in the series so far are: *Groundnuts* and *Chickpeas/Pigeonpeas*. In addition, many retrospective compilations of abstracts (Annotated Bibliographies) on various topics are available on demand.

SDI Service

SDI (Selective Dissemination of Information) is a regular current awareness service based on the most recent input to the database. Subscribers decide their own search profile and receive search results at intervals of their choice, either as computer printout or on floppy discs suitable for most microcomputers. Delivery by airmail.

CAB Alerts

This is a special SDI service providing subscribers each month with the search results from standard profiles chosen by CABI. Numerous titles are available and the list is regularly updated to reflect new subject interests. Output is available on computer printout posted by airmail.

MACHINE-READABLE PRODUCTS AND SERVICES

Online Access

The machine-readable database, known as CAB ABSTRACTS, is publicly accessible online through DIALOG Information Services (USA), BRS Information Technologies (USA), ESA-IRS (Italy), DIMDI (GFR), JICST (Japan), CAN-OLE (Canada) and Tsukuba Daigaku (Japan). The whole database back to 1973 contains over 2 million records. Search aids include the CAB ABSTRACTS Online Manual, the CAB Thesaurus (1988 Edition) and the CAB International Serials Checklist (1988).

CAB ABSTRACTS on Compact Disc

The database is also available on CD-ROM (Compact Disc Read Only Memory). Volume one contains bibliographic citations and abstracts for 1984-86; the second volume contains the 1987-89 data. CD-ROM technology provides an online search capability without the worries of cost or telecommunication problems. An IBM or fully IBM-compatible PC, 640 K RAM, MS-DOS or PC-DOS version 2.1 or higher, and a CD-ROM player are needed. The SPIRS (SilverPlatter Information Retrieval System) software allows maximum search flexibility.

Magnetic tapes

Organizations with access to mini or mainframe computers may lease all or part of CAB ABSTRACTS on magnetic tape. Update tapes are issued monthly, and retrospective tapes as required.

OTHER PRODUCTS AND SERVICES

Document Delivery Service

Photocopies of originals of most articles included in the database are available from CABI Library Services, Silwood Park, Ascot, UK. Documents may also be ordered online via DIALOG's DIALORDER or ESA/IRS's PRIMORDIAL.

Books and serial publications

CABI publishes authoritative reference books, directories and serial publications, the latter including *Bulletin of Entomological Research, Outlook on Agriculture, Index of Current Research on Pigs, Distribution Maps of Pests, Distribution Maps of Plant Diseases, Bibliography of Systematic Mycology, Descriptions of Pathogenic Fungi & Bacteria, Index of Fungi,* and *Systema Ascomycetum*. CABI is a co-sponsor of the International Food Information Service which publishes *Food Science & Technology Abstracts.*

C·A·B INTERNATIONAL BUREAU OF PASTURES AND FIELD CROPS

WALLINGFORD, OXON OX10 8DE, UK
Tel: Wallingford (0491) 32111

1989 BUREAU STAFF LIST

Managing Editor (and Chief Managing Editor, Plant Sciences)
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R Boyce BSc, MIInfSc
Angela M. Hall PhD
Rachel F. Hedges BSc
Rosemary E. Hill BSc
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The Bureau of Pastures and Field Crops prepares records for two monthly main journals, *Field Crop Abstracts* and *Herbage Abstracts.* These journals cover world scientific literature on annual field crops, pastures, herbage crops and rangelands and provide a comprehensive guide to current scientific developments and a key to literature published in the past.

Scope of *Field Crop Abstracts*: The aubjects covered include the agronomy and biology of all annual field crops grown for food, fodder, oil and fibre, and of tobacco. Land use, farming systems, agricultural meteorology and the control of weeds, pests and diseases are dealt with in so far as they concern the crop coverage.

The Bureau is prepared, on request, to undertake literature searches and to compile bibliographies on subjects within its scope.

Field Crop Abstracts

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NOTES TO READERS

The address given at the end of abstract citations is that of the first author and normally denotes the address at which the work was carried out.

Transliteration of Cyrillic script is based on the International Standard ISO/R9 (E).

LANGUAGE SYMBOLS

The language symbols used are listed below. An initial capital letter denotes the main language of a paper, a small letter the language of a summary(ies).

Af = Afrikaans
Ar = Arabic
Az = Azerbaijan(i)
Azerbaidzhani
Azerbaidzhanian
Be = White Russian
Bg = Bulgarian
Ch = Chinese
Cs = Czech
Da = Danish
De = German
Ee = Estonian
En = English
Es = Spanish
Fi = Finnish
Fr = French
Gr = Greek
He = Hebrew
Hu = Hungarian
In = Indonesian
Is = Icelandic
It = Italian
Ja = Japanese
Ko = Korean
La = Latin
Li = Lithuanian
Lv = Latvian
Ma = Macedonian
My = Malay/Bahasamalaysia
Nl = Dutch
No = Norwegian
Pe = Persian
Pl = Polish
Pt = Portuguese
Ro = Romanian
Ru = Russian
Sh = Serbo-Croatian
Sk = Slovakian
Sn = Slovenian
Sv = Swedish
Ta = Tajik/Tadzhik
Tr = Turkish
Uk = Ukrainian

ABBREVIATIONS

The abbreviations used for the names of common units, mathematical operations, chemical elements, etc., are in accordance with British Standard 1991 ; 1967. Additional abbreviations used follow the CAB Standard List of Abbreviations, which is published in the Annual Index. In addition the following are used:

FCA *Field Crop Abstracts* *HbA* *Herbage Abstracts*

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Many other serials were scanned during 1989 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition.* The publication includes ISSNs and publishers' addresses. See a separate page of this Index for details.

A. E. Research, Department of Agricultural Economics, Cornell University
Abstracts on Cassava
Abstracts on Field Beans (*Phaseolus vulgaris* L.)
Abstracts on Intercropping
ACIAR Food Legume Newsletter, Australian Centre for International Agricultural Research
ACIAR Technical Report Series, Australian Centre for International Agricultural Research
Acta Academiae Agriculturae ac Technicae Olstenensis, Aedificatio et Mechanica
Acta Academiae Agriculturae ac Technicae Olstenensis, Agricultura
Acta Agraria et Silvestria, Agraria
Acta Agriculturæ Scandinavica
Acta Agriculturae Nucleatae Sinica
Acta Agriculturae Universitatis Jilinensis
Acta Agriculturae Universitatis Pekinensis
Acta Agrobotanica
Acta Agronomica Hungarica
Acta Agronomica Sinica
Acta Agronómica, Universidad Nacional de Colombia
Acta Biochimica et Biophysica Hungarica
Acta Biochimica et Biophysica Sinica
Acta Biologiae Experimentalis Sinica
Acta Biologica Iugoslavica, A (Zemljiste i Biljka)
Acta Botanica Croatica
Acta Botanica Hungarica
Acta Botanica Neerlandica
Acta Botanica Sinica
Acta Botanica Yunnanica
Acta Facultatis Rerum Naturalium Universitatis Comenianae, Botanica
Acta Fytotechnica
Acta Genetica Sinica
Acta Horticulturae
Acta Horticulturae Sinica
Acta Microbiologica Polonica
Acta Microbiologica Sinica (Weishengwa Xuebao)
Acta Oecologica, Oecologia Applicata
Acta Operativo-Oeconomica
Acta Pedologica Sinica
Acta Physiologiae Plantarum
Acta Phytophylactica Sinica
Acta Phytophysiologica Sinica
Acta Societatis Botanicorum Poloniae
Acta Technologica Agriculturae
Acta Universitatis Agriculturae Brno, A (Facultas Agronomica)
Advances in Agronomy
Advances in Agronomy and Crop Science
Advances in Forestry Research in India
Advances in Horticultural Science
Advances in Irrigation
Advances in Research and Technology of Seeds
Advances in Soil Science
Agrartechnik, German Democratic Republic
Agri Hortique Genetica
Agricoltura Mediterranea
Agricultura
Agricultura Técnica
Agricultura Técnica en México
Agricultura Tropica et Subtropica
Agricultura, Spain
Agricultural and Biological Chemistry
Agricultural and Forest Meteorology
Agricultural Economics Discussion Paper, Department of Agriculture, University of Queensland
Agricultural History Review
Agricultural Mechanization in Asia, Africa and Latin America
Agricultural Research Journal of Kerala
Agricultural Research Reports, PUDOC
Agricultural Research Review
Agricultural Reviews
Agricultural Science
Agricultural Science Digest, India
Agricultural Situation in India
Agricultural Systems
Agricultural University Wageningen Papers
Agricultural Water Management
Agriculture International
Agriculture, Ecosystems and Environment
Agro Sur
Agro-Ciencia
Agroanalysis
Agrochémia
Agrochimica
Agrociencia, Mexico
Agroforestry Systems
Agrohemija
Agrokémia és Talajtan
Agrokhimiya
Agronomia Lusitana
Agronomia Sulriograndense
Agronomía Tropicale
Agronômico
Agronomie
Agronomie Tropicale
Agronomy and Soils Departmental Series, Alabama Agricultural Experiment Station
Agronomy Journal
Agropecuária Catarinense
Agrotecnia de Cuba
Alafua Agricultural Bulletin
Alexandria Journal of Agricultural Research
Alimentaria
Alon Hanotea
American Journal of Alternative Agriculture
American Journal of Botany
American Potato Journal
Anais da Academia Brasileira de Ciências
Anais da Escola Superior de Agricultura 'Luíz de Queiroz', Universidade de São Paulo
Anais da Escolas de Agronomia e de Veterinária, Universidade Federal de Goiás
Analele Institutului de Cercetări pentru Cereale şi Plante Tehnice, Fundulea
Anales de Edafología y Agrobiología
Anales de la Estación Experimental de Aula Dei
Analytical Biochemistry
Analytical Proceedings
Angewandte Botanik
Animal Science Research Report, Virginia Agricultural Experiment Station, Virginia Polytechnic Institute and State University
Annales Agriculturae Fenniae
Annales de l'Institut National de la Recherche Agronomique de Tunisie
Annales Sciences Economiques, Musée Royal de l'Afrique Centrale Tervuren, Belgium
Annales Scientifiques de l'Université de Besançon, Biologie Végétale
Annales Universitatis Mariae Curie-Skłodowska, E (Agricultura)
Annali dell'Istituto Sperimentale Agronomico, Italy
Annali dell'Istituto Sperimentale per il Tabacco, Italy
Annali dell'Istituto Sperimentale per la Cerealicoltura, Italy
Annali dell'Istituto Sperimentale per la Nutrizione delle Piante, Italy
Annali dell'Istituto Sperimentale per le Colture Industriali, Italy
Annali della Facoltà di Agraria, Università Cattolica del Sacro Cuore, Milano
Annali di Microbiologia ed Enzimologia
Annals of Agricultural Research
Annals of Agricultural Science, Ain Shams University
Annals of Agricultural Science, Moshtohor
Annals of Applied Biology
Annals of Applied Nematology
Annals of Biology
Annals of Botany
Annals of Plant Physiology
Annals of Tropical Research

Annals of Warsaw Agricultural University, Agriculture
Annual Report of the Society of Plant Protection of North Japan
Annual Report, National Institute of Genetics, Japan
Annual Review of Biochemistry
Anzeiger für Schädlingskunde, Pflanzenschutz, Umweltschutz
Applied Agricultural Research
Applied and Environmental Microbiology
Applied Engineering in Agriculture
Applied Geography
Applied Microbiology and Biotechnology
Applied Plant Science
Arab Gulf Journal of Scientific Research, B (Agricultural and Biological Sciences)
Arab Journal of Plant Protection
Arable Farming
Arbetsrapport, U-landsavdelningen, Sveriges Lantbruksuniversitet
Archiv für Acker- und Pflanzenbau und Bodenkunde
Archiv für Phytopathologie und Pflanzenschutz
Archiv für Züchtungsforschung
Archives Internationales de Physiologie et de Biochimie
Archives of Biochemistry and Biophysics
Archives of Environmental Contamination and Toxicology
Arhiv za Poljoprivredne Nauke
Arid Soil Research and Rehabilitation
Arkansas Farm Research
Arquivos de Biologia e Tecnologia
Arroz
Arroz en las Américas
Articulação Pesquisa-Extensão, Empresa Capixaba de Pesquisa Agropecuária, Empresa de Assistência Técnica e Extensão Rural do Estado do Espírito Santo
ASA Special Publication, American Society of Agronomy
ASAE Publication, American Society of Agricultural Engineers
ASAE Standards
ASCOLFI Informa
Aspects of Applied Biology
Assiut Journal of Agricultural Sciences
Atmospheric Environment
Australian Journal of Agricultural Research
Australian Journal of Botany
Australian Journal of Experimental Agriculture
Australian Journal of Plant Physiology
Australian Journal of Soil Research
B"lgarski Tyutyun
Bangladesh Journal of Scientific and Industrial Research
Bayerisches Landwirtschaftliches Jahrbuch
BCPC Monograph
Bean Newsletter
Beiträge zur Tabakforschung International
Beiträge zur Tropischen Landwirtschaft und Veterinärmedizin
Belle Glade EREC Research Report
Berichte der Gesellschaft für Pflanzenbauwissenschaften
Better Crops with Plant Food
Bhartiya Krishi Anusandhan Patrika
Bio/Technology
Biochemical and Biophysical Research Communications
Biochemical Journal
Biochemical Society Transactions
Biochemical Systematics and Ecology
Biochemie und Physiologie der Pflanzen
Biochemistry and Cell Biology
Biochemistry International
Biochimica et Biophysica Acta, B (Bioenergetics)
Biochimica et Biophysica Acta, BR (Reviews on Bioenergetics)
Biochimica et Biophysica Acta, C (Molecular Cell Research)
Biochimica et Biophysica Acta, G (General Subjects)
Biochimica et Biophysica Acta, L (Lipids and Lipid Metabolism)
Biochimica et Biophysica Acta, M (Biomembranes)
Biochimica et Biophysica Acta, N (Gene Structure and Expression)
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Biochimie
Biologia Plantarum
Biológia, Czechoslovakia
Biological Agriculture and Horticulture
Biological Bulletin
Biological Wastes
Biologicheskiĭ Zhurnal Armenii
Biologist
Biology and Fertility of Soils
Biology Bulletin of the Academy of Sciences of the USSR
Biology of the Cell
Biotechnology and Bioengineering
Biotronics
Biotropia
Biuletyn Centralnego Laboratorium Przemysłu Tytoniowego
Biuletyn Instytutu Hodowli i Aklimatyzacji Roślin
Biuletyn Instytutu Ziemniaka
Biuletyn Warzywniczy
Bodenkultur
Boletim de Pesquisa Florestal, Centro Nacional de Pesquisa de Florestas, EMBRAPA, Brazil
Boletim de Pesquisa, Centro Nacional de Pesquisa de Coco, EMBRAPA, Brazil
Boletim de Pesquisa. Centro Nacional de Pesquisa de Tecnologia Agroindustrial de Alimentos, EMBRAPA, Brazil
Boletim Técnico, Empresa de Pesquisa Agropecuária de Minas Gerais, Brazil
Boletim Técnico, Programa de Pesquisa, Organização das Cooperativas do Estado do Paraná.
Boletín Bibliográfico, INTA, Argentina
Boletín de Reseñas, Arroz
Boletín Informativo de la Unidad de Semillas del CIAT
Botanica Acta
Botanical Bulletin of Academia Sinica, Taiwan
Botanical Gazette
Botanical Review
Botanicheskiĭ Zhurnal
Bragantia
British Sugar Beet Review
Buletin Penelitian Hortikultura
Buletinul de Protecţia Plantelor
Buletinul Informativ al Academiei de Ştiinţe Agricole şi Silvice
Bulletin Agronomique Antilles-Guyane
Bulletin CETIOM
Bulletin de la Société Botanique de France, Actualités Botaniques
Bulletin de la Société Botanique de France, Lettres Botanique
Bulletin des Recherches Agronomiques de Gembloux
Bulletin du Jardin Botanique National de Belgique
Bulletin of Entomological Research
Bulletin of Grain Technology
Bulletin of Hokkaido Prefectural Agricultural Experiment Stations
Bulletin of Taichung District Agricultural Improvement Station
Bulletin of the Aomori Agricultural Experiment Station, Japan
Bulletin of the Chugoku National Agricultural Experiment Station (Chugoku Nogyo Shikenjo Kenkya Hokoku)
Bulletin of the Faculty of Agriculture, Kagoshima University
Bulletin of the Faculty of Agriculture, Miyazaki University
Bulletin of the Faculty of Agriculture, Niigata University
Bulletin of the Faculty of Agriculture, Saga University
Bulletin of the Faculty of Agriculture, Shimane University
Bulletin of the Faculty of Agriculture, Tottori University
Bulletin of the Hiroshima Prefectural Agricultural Experiment Station
Bulletin of the Hokuriku National Agricultural Experiment Station
Bulletin of the Institute of Tropical Agriculture, Kyushu University
Bulletin of the Morioka Tobacco Experiment Station
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Bulletin of the National Institute of Agrobiological Resources, Japan
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Bulletin of the Tohoku National Agricultural Experiment Station, Japan (Tohoku Nogyo Shikenjo Kenkyu Hokoku)
Bulletin of the University of Agricultural Sciences, Gödöllő
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Bulletin Technique du Machinisme et de l'Equipement Agricoles
Bulletin, Alabama Agricultural Experiment Station, Auburn University
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Byulleten' Pochvennogo Instituta VASKhNIL
California Agriculture
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CGPRT Publication, ESCAP Regional Coordination Centre for Research and Development of Coarse Grains, Pulses, Roots and Tuber Crops in the Humid Tropics of Asia and the Pacific
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Circular Técnica, Empresa Goiana de Pesquisa Agropecuária, EMBRAPA, Brazil
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Current Research, University of Agricultural Sciences, Bangalore
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Doğa Türk Biyoloji Dergisi
Doğa, Türk Tarım ve Ormancılık
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Dohánypar
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Doklady Botanical Sciences
Doklady Vsesoyuznoĭ Ordena Lenina i Ordena Trudovogo Krasnogo Znameni Akademii Sel'skokhozyaĭstvennykh Nauk imeni V. I. Lenina
East African Agricultural and Forestry Journal
Ecological Bulletins
Ecological Modelling
Ecological Research
Economic Botany
Ege Üniversitesi Ziraat Fakültesi Dergisi
Egyptian Journal of Phytopathology
Egyptian Journal of Soil Science
Electrophoresis
Élelmezési Ipar
EMBO Journal
Engenharia Agrícola
Entomon
Entwicklung + Ländlicher Raum
Environment and Ecology
Environment International
Environmental and Experimental Botany
Environmental Entomology
Environmental Pollution
Environmental Technology Letters
Environmental Toxicology and Chemistry
Ethiopian Journal of Agricultural Sciences
Euphytica
Euro Abstracts, Section 1
European Journal of Biochemistry
European Journal of Cell Biology
Experientia
Experiment Station Bulletin, North Dakota State University
Experimental Agriculture
Extension Bulletin, Cooperative Extension, College of Agriculture, Washington State University
FABIS Newsletter, Faba Bean Information Service, ICARDA
Fagopyrum
FAO Agricultural Services Bulletin
FAO Plant Protection Bulletin
Far Eastern Agriculture
Farm Science Journal
Farmers' Club Journal
Farmers' Newsletter, Large Area
Farming in South Africa
FAT-Berichte, Switzerland
FEBS Letters
Feddes Repertorium
Feed Situation and Outlook Report
Feldwirtschaft
Fertiliser News
Fertilizer Research
Fett Wissenschaft Technologie
Field Crops Research
Fiji Agricultural Journal
FIPR Publication
Fitopatologia Brasileira
Fitoterapia
Fiziologiya i Biokhimiya Kul'turnykh Rasteniĭ
Fiziologiya na Rasteniyata
Fiziologiya Rasteniĭ
Fluoride
Food and Nutrition Bulletin
Food Chemistry
Food Microstructure
Fortschrittsberichte für die Landwirtschaft und Nahrungsgüterwirtschaft
Fourrages
Fragmenta Herbologica Jugoslavica
Fujian Agricultural Science and Technology
Fukuoka-ken Nogyo Sogo Shikenjo Kenkyu Hokoku, A, Sakumotsu
Functional Ecology
Gartneryrket
Genetic Manipulation in Crops Newsletter
Genetica Agraria
Genetica Polonica
Genetika i Selektsiya
Genetika, USSR
Genetika, Yugoslavia
Genio Rurale
Genome
Geoderma
Godišen Zbornik na Zemjodelskiot Fakultet na Univerzitetot vo Skopje
Grass and Forage Science
Groenten en Fruit
Grundlagen der Landtechnik
Guidebook, CIP Slide Training Series I. (Rapid Multiplication Techniques), International Potato Center, Peru.
Gunma Journal of Agricultural Research, A (General)
Haryana Agricultural University Journal of Research
Haryana Journal of Horticultural Sciences
Hassadeh
Health Physics
Helia
Hereditas, Sweden
Highlights of Agricultural Research in Ontario
Hilgardia
Hodowla Roślin, Aklimatyzacja i Nasiennictwo

Hojas Divulgadoras, Ministerio de Agricultura, Pesca y Alimentación, Spain
Horticultura Brasileira
HortScience
Hydrology and Water Resources in Arizona and the Southwest
IAHS Publication
Ibaraki-ken Nogyo Shikenjo Kenkyu Hokoku
IBT-Rapport, Norway
ICARDA Technical Manual, International Center for Agricultural Research in the Dry Areas, Syria
ICRAF Newsletter & Agroforestry Review
ICRAF Reprint, International Council for Research in Agroforestry
IDIA
IEEE Transactions on Geoscience and Remote Sensing
IIMI Review, International Irrigation Management Institute, Sri Lanka
Ikonomika na Selskoto Stopanstvo
ILCA Bulletin, International Livestock Centre for Africa
Illinois Natural History Survey Circular
In Vitro Cellular & Developmental Biology
Index to Theses Accepted for Higher Degrees in the Universities of Great Britain and Ireland
Indian Agriculturist
Indian Cocoa, Arecanut & Spices Journal
Indian Farming
Indian Forester
Indian Journal of Agricultural Chemistry
Indian Journal of Agricultural Research
Indian Journal of Agricultural Sciences
Indian Journal of Agronomy
Indian Journal of Biochemistry and Biophysics
Indian Journal of Botany
Indian Journal of Ecology
Indian Journal of Entomology
Indian Journal of Experimental Biology
Indian Journal of Forestry
Indian Journal of Heredity
Indian Journal of Horticulture
Indian Journal of Microbiology
Indian Journal of Mycology and Plant Pathology
Indian Journal of Nematology
Indian Journal of Plant Physiology
Indian Journal of Plant Protection
Indian Journal of Pulses Research
Indian Journal of Quantitative Economics
Indian Journal of Range Management
Indian Journal of Weed Science
Indian Phytopathology
Indian Review of Life Sciences
Indian Sugar Crops Journal
Indonesian Agricultural Research & Development Journal
Indonesian Journal of Crop Science
Información Técnica, Diputación General de Aragón
Informacion Tecnicas, Départamento de Agricultura, Ganadería y Montes, Diputación General de Aragón
Informações Agronômicas, Potafos
Informations Techniques, CETIOM
Informatore Agrario
Informatore Fitopatologico
Informe de Investigación, División de Ciencias Agropecuarias y Maritimas, Instituto Technologico y de Estudios Superiores de Monterrey, Mexico
Informe Técnico, Estación Experimental Regional Agropecuaria Pergamino, Argentina
Interciencia
International Agrophysics
International Arachis Newsletter
International Chickpea Newsletter
International Journal of Biochemistry
International Journal of Biometeorology
International Journal of Health Physics
International Journal of Remote Sensing
International Journal of Tropical Agriculture
International Journal of Tropical Plant Diseases
International Nematology Network Newsletter
International Pigeonpea Newsletter
International Rice Commission Newsletter
International Rice Research Newsletter
International Tree Crops Journal
Internationale Agrarindustrie Zeitschrift
Internationale Zeitschrift der Landwirtschaft
Investigación Agraria, Producción y Protección Vegetales
Investigaciones Agronómicas
Iowa State Journal of Research
Iran Agricultural Research
Iranian Journal of Agricultural Sciences
Iranian Journal of Agriculture
Iranian Journal of Plant Pathology
Iraqi Journal of Agricultural Sciences, 'ZANCO'
Irish Journal of Agricultural Research
IRRI Research Paper Series, International Rice Research Institute
Irrigation Science
Irrigazione e Drenaggio
ISCI Journal, Indian Society for Cotton Improvement
Israel Journal of Botany
ITEA (Información Técnica Economica Agraria)
Izvestiya Akademii Nauk Moldavskoĭ SSR, Biologicheskikh i Khimicheskikh Nauk
Izvestiya Akademii Nauk Tadzhikskoĭ SSR, Biologicheskikh Nauk
Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR, Biologicheskikh Nauk
Izvestiya Timiryazevskoĭ Sel'skokhozyaĭstvennoĭ Akademii
Jaarboekje, Stichting Nederlands Instituut voor Brouwgerst, Mout en Bier
Japan Pesticide Information
Japanese Journal of Breeding
Japanese Journal of Crop Science
Japanese Journal of Ecology
Japanese Journal of Tropical Agriculture
JAPCA
JARQ (Japan Agricultural Research Quarterly)
JARQ (Japanese Agricultural Research Quarterly)
Jiangsu Journal of Agricultural Sciences
Jiangsu Nongye Kexue
Journal d'Agriculture Traditionnelle et de Botanique Appliquée
Journal of Agricultural and Food Chemistry
Journal of Agricultural Engineering Research
Journal of Agricultural Research of China
Journal of Agricultural Research, Pakistan
Journal of Agricultural Science in Finland
Journal of Agricultural Science, UK
Journal of Agricultural Sciences, Jiangsu Academy of Agricultural Sciences
Journal of Agriculture and Forestry
Journal of Agriculture and Water Resources Research, Plant Production
Journal of Agriculture and Water Resources Research, Soil and Water Resources
Journal of Agriculture of the University of Puerto Rico
Journal of Agriculture, Western Australia
Journal of Agronomy and Crop Science
Journal of Applied Ecology
Journal of Applied Meteorology
Journal of Applied Seed Production
Journal of Bacteriology
Journal of Beijing Agricultural Engineering University
Journal of Bengal Natural History Society
Journal of Biochemistry
Journal of Biological Chemistry
Journal of Biosciences
Journal of Cell Biology
Journal of Cell Science
Journal of Cereal Science
Journal of Chemical Ecology
Journal of Chromatography
Journal of Ecology, China
Journal of Economic Entomology
Journal of Environmental Biology
Journal of Environmental Quality
Journal of Environmental Radioactivity
Journal of Environmental Science and Health, B (Pesticides, Food Contaminants and Agricultural Wastes)
Journal of Evolutionary Biochemistry and Physiology
Journal of Experimental Botany
Journal of Farming Systems
Journal of Fertilizer Issues
Journal of Food Science
Journal of Food Science and Technology, India
Journal of Fujian Agricultural College
Journal of General and Applied Microbiology
Journal of Hokkaido Junior College, Senshu University (Natural Sciences)
Journal of Horticultural Science
Journal of Insect Science
Journal of Irrigation and Drainage Engineering
Journal of Jiangsu Agricultural College
Journal of Maharashtra Agricultural Universities
Journal of Nanjing Agricultural University (Nanjing Nongye Daxue Xuebao)
Journal of Nanjing University, Natural Sciences
Journal of Natural Products
Journal of Nematology
Journal of North-East Forestry University, China
Journal of Nuclear Agriculture and Biology
Journal of Oilseeds Research
Journal of Pesticide Science
Journal of Phytopathology
Journal of Plant Growth Regulation
Journal of Plant Nutrition
Journal of Plant Physiology
Journal of Potassium Research
Journal of Production Agriculture

Journal of Research APAU
Journal of Research, Assam Agricultural University
Journal of Research, Punjab Agricultural University
Journal of Scientific & Industrial Research
Journal of Seed Technology
Journal of Shenyang Agricultural University.
Journal of Soil & Water Conservation
Journal of Soil Biology and Ecology
Journal of Soil Science, China
Journal of Soil Science, UK
Journal of South China Agricultural University
Journal of Stored Products Research
Journal of the Agricultural Association of China
Journal of the American Oil Chemists' Society
Journal of the American Society for Horticultural Science
Journal of the Andaman Science Association
Journal of the Australian Institute of Agricultural Science
Journal of the Chinese Agricultural Chemical Society
Journal of the College of Science and Engineering, National Chung Hsing University
Journal of the Indian Botanical Society
Journal of the Indian Society of Coastal Agricultural Research
Journal of the Indian Society of Soil Science
Journal of the Iowa Academy of Science
Journal of the Japanese Society of Agricultural Machinery
Journal of the Korean Society for Horticultural Science
Journal of the National Institute of Agricultural Botany, UK
Journal of the National Research Council of Thailand
Journal of the National Science Council of Sri Lanka
Journal of the Oil Technologists' Association of India
Journal of the Rio Grande Valley Horticultural Society
Journal of the Science of Food and Agriculture
Journal of the University of Kuwait, Science
Journal of the Yamagata Agriculture and Forestry Society
Journal of Ultrastructure and Molecular Structure Research
Journal of Wildlife Management
Jute Development Journal
Kagoshimaken Nogyo Shikenjo Kenkyu Hokoku
Kartofel' i Ovoshchi
Kartoffelbau
Kasetsart Journal, Natural Sciences
Kew Bulletin
Khimiya Prirodnykh Soedinenii
Khimiya v Sel'skom Khozyaĭstve
Khlopok
Khon Kaen Agriculture Journal
Korean Journal of Crop Science
Korean Journal of Plant Pathology
KTBL-Schrift, Kuratorium für Technik und Bauwesen in der Landwirtschaft e.V. German Federal Republic
Kukuruza i Sorgo
Kulturpflanze
Kungl. Skogs- och Lantbruksakademiens Tidskrift
Landbauforschung Völkenrode
Landbouwmechanisatie
Landtechnik
Landtechnische Zeitschrift
Landwirtschaft Schweiz
Landwirtschaftliche Forschung
Lantmannen
Latvijas PSR Zinātņu Akadēmijas Vēstis
Lavoura Arrozeira
Lebensmittel-Wissenschaft und -Technologie
Legume Research
Lens Newsletter
Lesnoe Khozyaĭstvo
Louisiana Agriculture
Lucrări Ştiinţifice, Institutul Agronomic 'Nicolae Bălcescu', A (Agronomie)
Lucrări Ştiinţifice, Institutul Agronomic Timişoara, Agronomie
Madras Agricultural Journal
Maize Genetics Cooperation Newsletter
Malezas
Maydica
Mecanizarea Agriculturii
Mechanizace Zemědělství
Mededelingen van de Faculteit Landbouwwetenschappen, Rijksuniversiteit Gent
Mekhanizatsiya i Ėlektrifikatsiya Sel'skogo Khozyaĭstva
Memoirs of the College of Agriculture, National Taiwan University
Memoirs of the Faculty of Agriculture, Hokkaido University
Memoirs of the Faculty of Agriculture, Kagoshima University
Mesopotamia Journal of Agriculture
Metodiky pro Zavádění Výsledků Výzkumu do Zemědělské Praxe
Mezögazdaság Kemizálása
Microbiology, China
Microbiology, USA
Mikrobiologija
Miscellaneous Publication of the National Institute of Agro-Environmental Sciences
Miscellaneous Publication of the Shikoku National Agricultural Experiment Station
Miscellaneous Publication, Texas Agricultural Experiment Station
Mitteilungen aus der Biologischen Bundesanstalt für Land- und Forstwirtschaft Berlin-Dahlem
Mitteilungen der Deutschen Bodenkundlichen Gesellschaft
Mitteilungen der Gesellschaft für Pflanzenbauwissenschaften
Molecular and Cellular Biology
Molecular Immunology
Monograph, British Crop Protection Council
Monograph, British Plant Growth Regulator Group
Morley Bulletin, Norfolk Agricultural Station, UK
Moscow University Biological Sciences Bulletin
Moscow University Soil Science Bulletin
Mosonmagyaróvári Mezögazdaságtudományi Kar Közleményei
Mycologia
Mysore Journal of Agricultural Sciences
Nachrichtenblatt für den Pflanzenschutz in der DDR
Narendra Deva Journal of Agricultural Research
National Academy Science Letters, India.
Natural Resources Series, Division of Water and Land Resources, CSIRO
Naturaliste Canadien
Nature, UK
Naturwissenschaften
Nauchno-Tekhnicheskiĭ Byulleten' Sibirskogo Otdeleniya VASKhNIL
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New Phytologist
New Zealand Agricultural Science
New Zealand Journal of Agricultural Research
New Zealand Journal of Crop and Horticultural Science
New Zealand Journal of Experimental Agriculture
Newsletter of the Association of Official Seed Analysts
Nigerian Journal of Weed Science
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Norsk Landbruksforskning
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Norwegian Journal of Agricultural Sciences
Növénytermelés
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Oecologia
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Ohio Journal of Science
Oikos
Oil Crops of China
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Oroshaemoe Zemledelie (Kiev)
Oryza
Osteuropastudien der Hochschulen des Landes Hessen, 1 (Giessener Abhandlungen zur Agrar- und Wirtschaftsforschung des Europäischen Ostens)
Outlook on Agriculture
Oxford Surveys of Plant Molecular and Cell Biology
Pakistan Cottons
Pakistan Journal of Agricultural Research
Pakistan Journal of Botany
Pakistan Journal of Forestry
Pakistan Journal of Nematology
Pakistan Journal of Scientific and Industrial Research
Pakistan Journal of Scientific Research
Palawija News
Pamiętnik Puławski
Paper, American Society of Agricultural Engineers
Parasitica
Pastos
Pastos y Forrajes
PCARRD Monitor, Philippine Council for Agriculture, Forestry and Natural Resources Research and Development
Peanut Science
Pemberitaan Penelitian Tanaman Industri
Periodicum Biologorum

Pertanika
Pesquisa Agropecuária Brasileira
Pesquisa em Andamento, Centro Nacional de Pesquisa de Coco, EMBRAPA, Brazil
Pesquisa em Andamento, Empresa de Pesquisa Agropeciária do Estado de Mato Grosso, Brazil
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Pesquisando
Pesticide Science
Pesticides
Pflanzenschutz
Philippine Agriculturist
Philippine Journal of Crop Science
Physiologia Plantarum
Phytochemistry
Phytomorphology
Phyton, Argentina
Phyton, Austria
Phytopathology
Phytophylactica
Phytoprotection
PKV Research Journal
Plant and Cell Physiology
Plant and Soil
Plant Breeding
Plant Cell
Plant Cell Reports
Plant Cell, Tissue and Organ Culture
Plant Disease
Plant Disease Research
Plant Foods for Human Nutrition
Plant Growth Regulator Society of America Quarterly
Plant Material Description, ICRISAT
Plant Molecular Biology
Plant Pathology
Plant Physiology
Plant Physiology & Biochemistry, India
Plant Physiology and Biochemistry, France
Plant Physiology Communications
Plant Protection Bulletin, Taiwan
Plant Protection Quarterly
Plant Research and Development
Plant Science, Irish Republic
Plant Varieties & Seeds
Plant Variety Protection Office, Official Journal
Plant, Cell and Environment
Planta
Planta Medica
Pochvoznanie i Agrokhimiya
Pochvoznanie, Agrokhimiya i Rastitelna Zashchita
Pol'nohospodárstvo
Polish Journal of Soil Science
Poljoprivredna Znanstvena Smotra
Pomme de Terre Française
Potash Review
Potato Research
Potatoes Food Systems Research Series
Prace Naukowe Instytutu Ochrony Roślin
Preslia
Probleme de Agrofitotehnie Teoretică şi Aplicată
Probleme de Protecţia Plantelor
Proceedings of Faculty of Agriculture, Kyushu Tokai University
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Proceedings of the Florida State Horticultural Society
Proceedings of the Indian Academy of Sciences, Earth and Planetary Sciences
Proceedings of the Indian National Science Academy, B (Biological Sciences)
Proceedings of the Interamerican Society for Tropical Horticulture
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Proceedings of the New Zealand Grassland Association
Proceedings of the North Dakota Academy of Science
Proceedings of the Sugar Beet Research Association, Japan
Proceedings of the West Virginia Academy of Science
Proceedings, Annual Conference, Agronomy Society of New Zealand
Proceedings, Fertiliser Society, UK
Proceedings, Soil and Crop Science Society of Florida
Producţia Vegetală, Horticultura
Professional Geographer
Progrès Agricole et Viticole
Progress Report, Alabama Agricultural Experiment Station, USA
Progress Report, Texas Agricultural Experiment Station
Progressive Horticulture
Protoplasma
Przegląd Hodowlany
Publicación Miscelánea, Estación Experimental Agro-Industrial "Obispo Colombres" de Tucumán, Argentina
Publicación Técnica, Instituto Nacional de Tecnología Agropecuaria, Estación Experimental Agropecuaria Anguil, Argentina
Publication, Agriculture Canada
Publication, Atlantic Corn Hybrid Evaluation Committee, Canada
Publication, Central Highlands Rural Development Project, Risabah, Yemen Arab Republic
Publication, ICARDA, International Center for Agricultural Research in the Dry Areas, Syria
Publikatie, Instituut voor Bewaring en Verwerking van Landbouwprodukten, Wageningen.
Punjab Vegetable Grower
Queensland Department of Primary Industries Information Series
Queensland Journal of Agricultural and Animal Sciences
Quick Bibliography Series, US Department of Agriculture
Rachis, Barley and Wheat Newsletter
Radovi Poljoprivrednog Fakulteta Univerziteta u Sarajevu
Rapport, Institutionen för Växtodling, Sveriges Lantbruksuniversitet
Rasteniev"dni Nauki
Report of Hokkaido Prefectural Agricultural Experiment Stations
Report of the Kyushu Branch of the Crop Science Society of Japan
Report of the Tohoku Branch of the Crop Science Society of Japan
Report of the Tokai Branch of the Crop Science Society of Japan
Report Series, Arkansas Agricultural Experiment Station
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Report, Centre for Agrobiological Research, Netherlands
Report, Texas Agricultural Experiment Station
Reporte Científico, Facultad de Silvicultura y Manejo de Recursos Renovables, Universidad Autónoma de Nuevo León
Reseach Report, Mississippi Agricultural and Forestry Experiment Station
Research and Development in Agriculture
Research and Development Reporter
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Research Bulletin of the Aichi-ken Agricultural Research Center, Japan
Research Bulletin of the Faculty of Agriculture, Gifu University
Research Bulletin of the Hokkaido National Agricultural Experiment Station
Research Bulletin, Agriculture Research Center, Washington State University
Research Bulletin, Central Potato Research Institute, India
Research Bulletin, College of Agriculture and Home Economics Research Center, Washington State University
Research Bulletin, Department of Agriculture and Livestock, Papua New Guinea
Research Bulletin, Georgia Agricultural Experiment Stations
Research Bulletin, ICRISAT, International Crop Research Institute for the Semi-Arid Tropics
Research Bulletin, Tainan District Agricultural Improvement Station, Taiwan
Research Monitor, Department of Agriculture, Thailand
Research Report on Agricultural Machinery, Kyoto University
Research Report, Agricultural Experiment Station, Oklahoma State University
Research Report, Georgia Agricultural Experiment Stations
Research Report, Mississippi Agricultural and Forestry Experiment Station
Research Report, National Institute for Environmental Studies, Japan
Research Reports of the Rural Development Administration, Biotechnology, Korea Republic
Research Reports of the Rural Development Administration, Crops, Korea Republic
Research Reports of the Rural Development Administration, Horticulture, Korea Republic
Research Reports of the Rural Development Administration, Plant Environment, Mycology & Farm Products Utilization, Korea Republic
Research Reports of the Rural Development Administration, Rice, Korea Republic
Research Reports of the Rural Development Administration, Soils & Fertilizer, Korea Republic
Research Reports of the Rural Development Administration, Upland & Industrial Crops, Korea Republic
Research Series, Arkansas Agricultural Experiment Station
Research Series, College of Tropical Agriculture and Human Resources, University of Hawaii
Resources, Conservation and Recycling
Resultados de Pesquisa, Programma de Pesquisa, Organização das Cooperativas do Estado do Paraná, Brazil
Reviews of Environmental Contamination and Toxicology
Reviews of Weed Science
Revista Agronómica de Manfredi
Revista Brasileira de Ciência do Solo
Revista Ceres
Revista da Sociedade Brasileira de Zootecnia
Revista de Agricultura, Piracicaba
Revista de Agroquimica y Tecnologia de Alimentos
Revista de la Facultad de Agronomía, Universidad Central de Venezuela
Revista de la Facultad de Agronomía, Universidad de Buenos Aires
Revista de la Facultad de Agronomía, Universidad Nacional de la Plata

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Revue d'Ecologie et de Biologie du Sol
Revue de l'Agriculture
Revue de Nématologie
Revue Roumaine de Biochimie
Revue Roumaine de Biologie
Revue Suisse d'Agriculture
Rice Research Newsletter, CRRI
Rivista di Agricoltura Subtropicale e Tropicale
Rivista di Agronomia
Rivista di Ingegneria Agraria
RNAM Newsletter
Roczniki Gleboznawcze
Roczniki Nauk Rolniczych, A (Produkcja Roślinna)
Root Crops Digest
Rostlinná Výroba
Sakharnaya Svekla
Samaru Journal of Agricultural Research
Samvirke
Sborník Mechanizační Fakulty, Vysoké Školy Zemědělské v Praze
Sbornik Nauchnykh Statei, Litovskii Ordena Trudovogo Krasnogo Znameni Nauchno-issledovatel'skii Institut Zemledeliya
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Schriftenreihe des Bundesministers für Ernährung, Landwirtschaft und Forsten, A (Angewandte Wissenschaft), German Federal Republic
Science and Practice of Agroforestry, International Council for Research in Agroforestry, Kenya
Science Bulletin of the Faculty of Agriculture, Kyushu University
Science of the Total Environment
Science, USA
Scientia Agricultura Sinica
Scientia Horticulturae
Scientific Reports of the Faculty of Agriculture, Okayama University
Scientific Reports of the Kyoto Prefectural University, Agriculture
Scientific Reports of the Miyagi Agricultural College
Search, Australia
Seed Research
Seed Science and Technology
Seeds & Farms
Seibutsu Kankyo Chosetsu
Şeker
Sel'skokhozyaistvennaya Biologiya
Selektsiya i Semenovodstvo, Kiev
Selektsiya i Semenovodstvo, Moscow
Selskostopanska Nauka
Selskostopanska Tekhnika
Sementi Elette
Série Documentos, Empresa de Pesquisa Agropecuária do Estado do Rio de Janeiro
Serie Técnica, Corporación Nacional de Investigación y Fomento Forestal, Colombia
Sexual Plant Reproduction
Shanxi Agricultural Science
Shizuoka-ken Nogyo Shikenjo Kenkyu Hokoku
Sibirskii Vestnik Sel'skokhozyaistvennoi Nauki
Simiente
SMARC Monitor, Southern Mindanao Agricultural Research Centre
Soil & Tillage Research
Soil Biology & Biochemistry
Soil Science
Soil Science and Plant Nutrition
Soil Science Society of America Journal
Soil Survey and Land Evaluation
Soil Survey Horizons
Soil Use and Management
Soils
Soobshcheniya Akademii Nauk Gruzinskoi SSR
Sorghum Newsletter
South African Journal of Botany
South African Journal of Plant and Soil
South African Journal of Science
South Indian Horticulture
Soviet Agricultural Biology. 1. Plant Biology
Soviet Agricultural Sciences
Soviet Meteorology and Hydrology
Soviet Plant Physiology
Soviet Soil Science
Soybean Genetics Newsletter
Soybean Science
Special Bulletin, Mississippi Agricultural and Forestry Experiment Station
Stain Technology
Starch — Stärke
Station Bulletin, Agricultural Experiment Station, University of Minnesota
Studii şi Cercetări de Biologie, Biologie Vegetală
Sulphur in Agriculture
Surinaamse Landbouw
Sveriges Utsädesförenings Tidskrift
Swedish Journal of Agricultural Research
Symbiosis
Tagungsbericht - Deutsche Akademie der Landwirtschaftswissenschaften zu Berlin
Taiwan Agriculture Bimonthly
Taiwania
Takarmánygabona termelés és felhasználás
Technical Bulletin, Department of Agriculture, Western Australia
Technical Bulletin, Department of Industries & Development, Northern Territory
Technical Bulletin, Food and Fertilizer Technology Center for the Asian and Pacific Region
Technical Bulletin, Mississippi Agricultural and Forestry Experiment Station
Technical Bulletin, US Department of Agriculture
Technical Communication, Department of Agriculture and Water Supply, South Africa
Technical Memorandum, Division of Water Resources, Institute of Natural Resources and Environment, CSIRO, Australia
Technicien d'Agriculture Tropicale
Technique Agricole
Tekhnika v Sel'skom Khozyaistve
Teknologi Padi, MARDI
Tennessee Farm and Home Science
Terra e Sole
Textile Research Journal
Thai Journal of Agricultural Science
Theoretical and Applied Genetics
Thesis, Asian Institute of Technology, Bangkok, Thailand
Tobacco International
Tobacco Research
Transactions of Indian Society of Desert Technology
Transactions of the ASAE, American Society of Agricultural Engineers
Transactions of the Illinois State Academy of Science
Tropenlandwirt
Tropical Agriculture, UK
Tropical Agriculturist
Tropical Pest Management
Tropical Root and Tuber Crops Newsletter
Tropical Science
Tropicultura
Tsitologiya
Turrialba
Työtehoseuran Julkaisuja, Finland
UCLA Symposia on Molecular and Cellular Biology, New Series
Ukraïns'kii Botanichnii Zhurnal
United States Patent
USSR Patent
Utah Science
Uzbekiston Biologija Zhurnali
Växtskyddsnotiser
VDLUFA-Schriftenreihe, Verband Deutscher Landwirtschaftlicher Untersuchungs- und Forschungsanstalten, Reihe Kongressberichte
Vědécké Práce Výskumného Ústavu Rastlinnej Výroby v Piešťanoch (Obilniny a Strukoviny)
Verslagen, Centrum voor Agrobiologisch Onderzoek, Wageningen
Vestnik Belorusskogo Universiteta, 2
Vestnik Khar'kovskogo Universiteta
Vestnik Sel'skokhozyaistvennoi Nauki Kazakhstana
Vestnik Sel'skokhozyaistvennoi Nauki, Moscow, USSR
Vestsi Akademii Navuk Belaruskai SSR, Sel'skagaspadarchnykh Navuk
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Vízügyi Közlemények
Water & Irrigation Review
Water Resources
Water Resources Research
Water Science and Technology
Water, Air, and Soil Pollution
Weather
Weed Research, Japan
Weed Research, UK
Weed Science
Weed Technology
Wildlife Society Bulletin, USA
Working Document, Centro Internacional de Agricultura Tropical
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ZANCO

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Crop Science and Production
Crop Physiology Abstracts; Faba Bean Abstracts; Field Crop Abstracts; Herbage Abstracts; Horticultural Abstracts; Irrigation & Drainage Abstracts; Maize Abstracts; Ornamental Horticulture; Plant Breeding Abstracts; Plant Growth Regulator Abstracts; Postharvest News and Information; Potato Abstracts; Rice Abstracts; Seed Abstracts; Soils & Fertilizers; Sorghum & Millets Abstracts; Soyabean Abstracts; Wheat, Barley & Triticale Abstracts.

Forestry
Agroforestry Abstracts; Forest Products Abstracts; Forestry Abstracts.

Crop Protection
Biocontrol News & Information; Nematological Abstracts; Review of Agricultural Entomology; Review of Plant Pathology; Weed Abstracts.

Economics, Development and Sociology
Leisure, Recreation & Tourism Abstracts; Rural Development Abstracts; World Agricultural Economics & Rural Sociology Abstracts.

Machinery and Buildings
Agricultural Engineering Abstracts.

Human Nutrition
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The machine-readable database, known as CAB ABSTRACTS, is publicly accessible online through DIALOG Information Services (USA), BRS Information Technologies (USA), ESA-IRS (Italy), DIMDI (GFR), JICST (Japan), CAN-OLE (Canada) and Tsukuba Daigaku (Japan). The whole database back to 1973 contains over 2 million records. Search aids include the CAB ABSTRACTS Online Manual, the CAB Thesaurus (1988 Edition) and the CAB International Serials Checklist (1988).

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For further information, contact:

CAB International Wallingford, Oxon OX10 8DE, UK
Telephone: (0491) 32111
Telex: 847964 (COMAGG G)
Telefax: (0491) 33508
or
CAB International 845 North Park Avenue
Tucson, Arizona 85719, USA
Tel: 800/528-4841 (Toll-free) or 602/621-7897
or
The Maruzen Company Limited
(sole agent in Japan)
P.O. Box 5050 Tokyo International 100-31, Japan

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C·A·B INTERNATIONAL
Wallingford, Oxon OX10 8DE, UK
Telephone: (0491) 32111 Telecom Gold/Dialcom: 84: CAU001
Telex: 847964 (COMAGG G) Fax: (0491) 33508

Director General: Don Mentz BAgrSci, BEcon
Director, Information Services: J.R. Metcalfe MA, PhD, DIC, DTA, FIBiol
Director, Scientific Services: D.J. Greenland MA, DPhil, DAgSc, FIBiol
Director, Systems: J.H. Gilmore BSc, MACS
Director, Administrative Services: T. Martin FCA

The Organization
CAB International (CABI) is an international, intergovernmental organization registered with the United Nations. It is owned and administered by its member governments; these currently number 29, but membership is open to all governments who wish to participate. Established in 1928, the organization provides information, scientific, and development services for agriculture and allied disciplines throughout the world.

Information Services
The main task of the Information Services, located at the CAB International Centre (CABIC) at Wallingford, is the creation of a bibliographic database of research on agriculture, forestry and allied disciplines, including social sciences and aspects of human medicine. Abstract journals derived from the database, and online access to it, provide a unique source of information for research scientists, development planners, educators and students. Subsidiary but growing tasks are the publication of primary journals and reference works, and training information professionals in developing countries.

The Accessions Unit acquires the relevant scientific and technical literature (ca 10,000 serials and over 5,000 other publications annually) for abstracting by almost 100 scientists/linguists in the following 11 Bureaux:

- Agricultural Economics
- Animal Breeding & Genetics
- Animal Health
- Dairy Science & Technology
- Nutrition
- Pastures & Field Crops
- Crop Protection
- Horticulture & Plantation Crops
- Plant Breeding & Genetics
- Soils
- Forestry

Further material is acquired and processed by collaborating or contracted organizations. Other staff coordinate work on specialized directories and databanks, and commission new books and primary journals. The Publications Unit is responsible for printing the journals and books, and the Marketing & Sales Division promotes and sells Information Services products and services world-wide (see inside back cover for details).

Scientific Services
CABI's Scientific Services consist of four institutes and two support services:

CAB International Institute of Entomology (CIE), Director Dr K.M. Harris, located at 56 Queen's Gate, London, and in the British Museum, Natural History.

CAB International Mycological Institute (CMI), Director Professor D.L. Hawksworth, located at Ferry Lane, Kew, London, adjacent to the Royal Botanic Gardens.

CAB International Institute of Parasitology (CIP), Director Dr R. Muller, located at Winches Farm, St Albans, the field station of the London School of Hygiene & Tropical Medicine.

These three Institutes provide an authoritative identification service for agricultural pests and other organisms, conduct research, implement projects, and provide training in their fields of expertise.

CAB International Institute of Biological Control (CIBC), Director Dr D.J. Greathead, has its headquarters at Silwood Park, Ascot, the field station of Imperial College of Science and Technology, University of London. It has stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia. It provides biocontrol services, conducts training, and participates in integrated pest management programmes.

Development Services, (CDS), Head Mr D. Heydon, integrate the broad range of CABI expertise to provide advice and assistance with agricultural problems, but particularly those related to pest management and information services.

Library Services, Manager Mr C.J. Hamilton, have their headquarters with CIBC at Silwood Park, where the main Library is held, with additional literature collections at CMI, CIP, CDS and CABIC. Library Services operate a Document Delivery Service.

Systems
The Systems Division provides computing resources and services to all parts of CABI. It maintains a central computing facility with telecommunications access to seven remote sites, including four CABI Institutes. CABIC is served by a modern Local Area Network which provides access to the computers, and by advanced office automation facilties. The main computers are DEC VAX systems and the principal software systems are BASIS for data management and information retrieval and PAGER for typesetting.

The staff of 20 includes database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the CABI bibliographic database and associated functions, plus accessions control, subscription management and electronic publishing.

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